

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 04/10/2008

Contract

ID 070629-609

Job No. J6U1028E

County St. Charles Route 364

Original Bid Cost \$19,736,169.72

Contractor Fred Weber, Inc.

By Brian J. Carlson

Designed By Crawford Murphy & Tilly

Phone (636) 978-9835

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Existing:

Build project according to the typical sections on the original plans. Under this scenario, new 10" PCC pavement with 4" of stabilized permeable base and 4" of type 1 aggregate base will be installed for mainline Route 364.

Proposed:

The new 10" PCC pavement will be installed and the base below will be replaced with 12" of rock fill base material in accordance with the attached rock base specification. This will eliminate the need for type 1 aggregate base, stabilized permeable base, pipe aggregate pavement edge drain and outlet pipes & splash pads. The advantage of this scenario includes faster construction, much improved sub base stability and considerable cost savings.

2. Estimate of reduction in construction costs. \$96,320.52

MoDOT Savings - \$48,160.26

Fred Weber, Inc. - \$48,160.26

(See attached spreadsheet with quantity adjustments)

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

N/A

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

04/10/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

05/01/2008 Need to know for grading and paving operations.

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

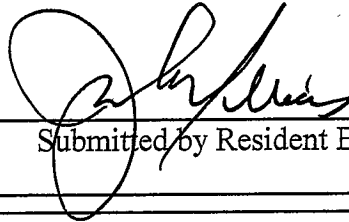
N/A

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out By MoDOT ****

Comments: *I Recommend Approval of this V.E., since we have approved numerous times in the past. Design is okay with proposal*



Submitted by Resident Engineer

4/21/08

Date

Comments: *I ALSO CHECKED WITH DIST. GEN., who is good with the V.E. AS WELL.*

☒ Approval
Recommended

☐ Rejection
Recommended



District Engineer

4-23-08

Date

Comments: *The Central Office Pavement Group were also good with this VE, however to be acceptable the 12" rock base must be daylighted.*

☒ Approval

☐ Rejection

02M for Dave Adams

State Operations Engineer

4/24/08

Date

Distribution:

Resident Engineer, District Operations Engineer, State Operations Engineer

*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Place 12" rock base in lieu of 4" stabilized permeable base on 4" Type 1 aggregate base with pipe aggregate edge drains.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

Scan all.